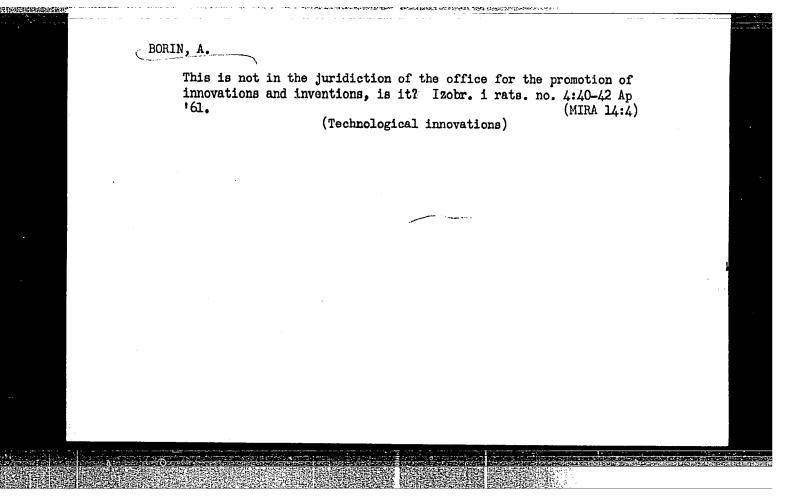
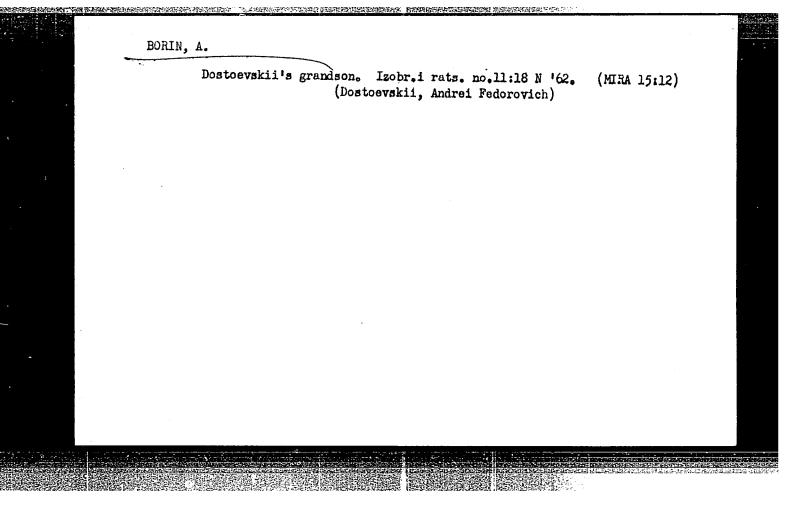


# The initiative of Ural workers is an example for all. Izobr.i rats. no.9:34-35 S '60. (MIRA 13:10) 1. Spetsial'nyye korrespondenty zhurnala "Izobretatel' i ratsionalizator." (Technological innovations)





*चञ्चाराष*्ट्रयनः

GROSSMAN, E.F., S.S.KRICUEVSKII, and A.A. BORIN

K voprosu o potere ustoichivosti konstruktsiei kryla v polets. Moskva, 1935. 62 p., diagrs. (TSAGI. Trudy, no. 202)

Summary in English.

Bibliography: p. 55.

Title tr.: Problem of loss of stability of the wing structure in flight.

QA911.M65 no.202

F 77 -4 1/2

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,

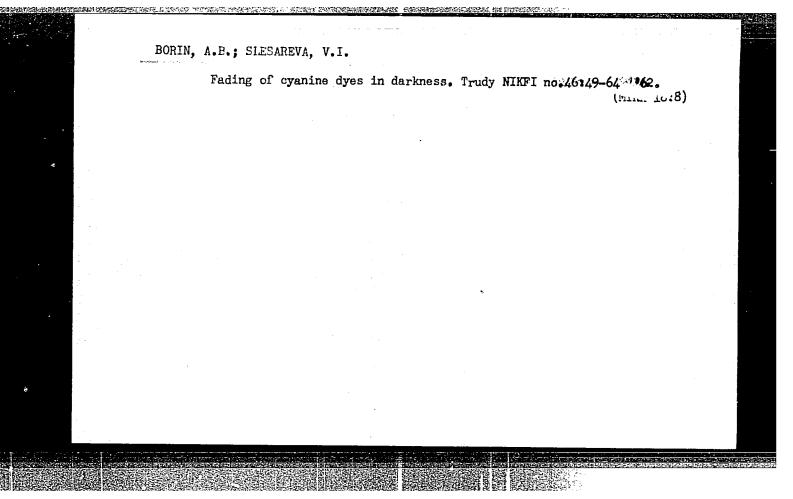
BORIN, A.B.; PRESNYAKOV, A.G.; LIVANOV, A.K., red.; PROZOROVA, L.Ye., tekhn. red.

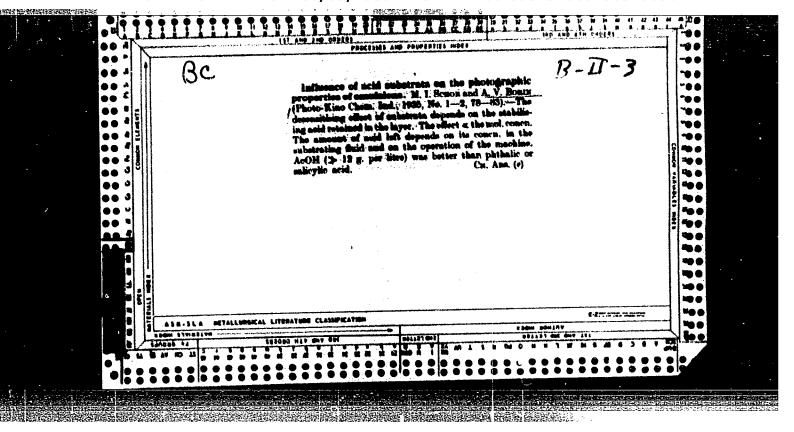
[Club of young inventors] \*\*Lub molodykh izobretatelei; sbornik.

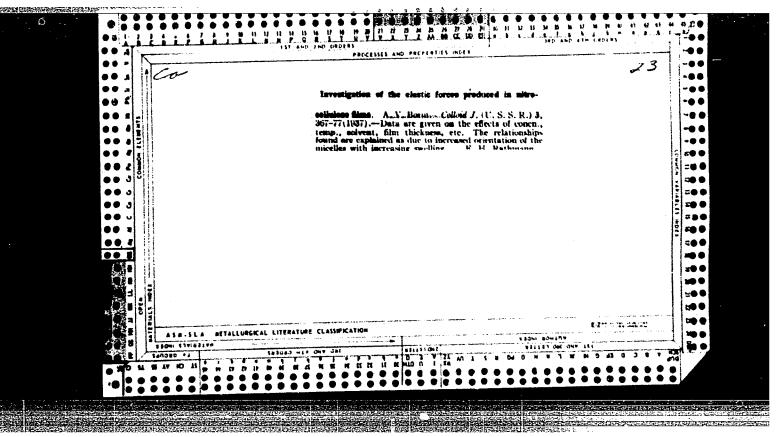
Moskva, Izd-vo "Molodaia gvardiia," 1962. 415 p.

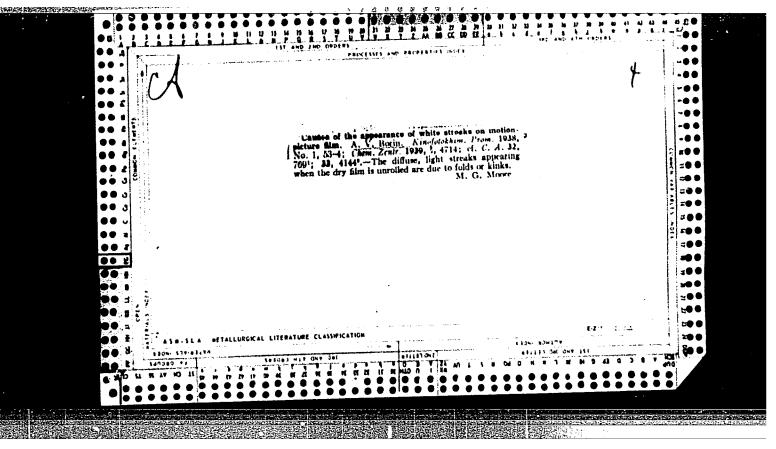
(MIRA 16:7)

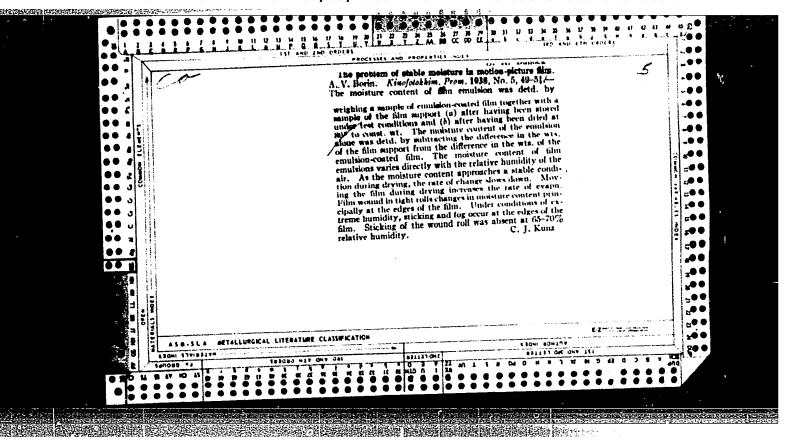
(Technological innovations)

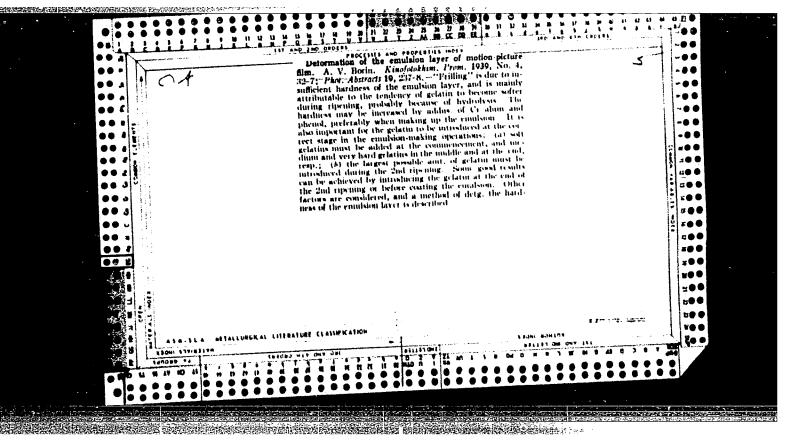


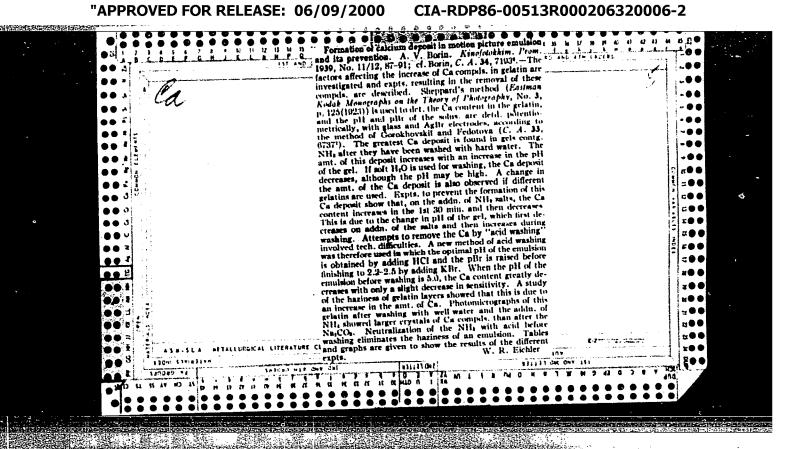


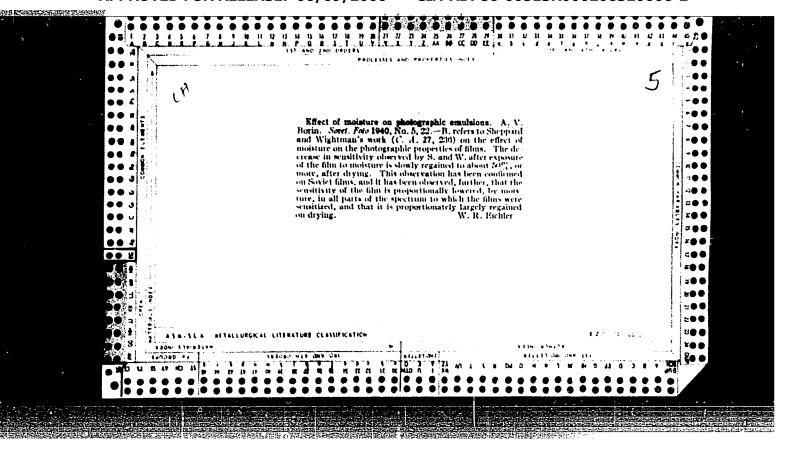


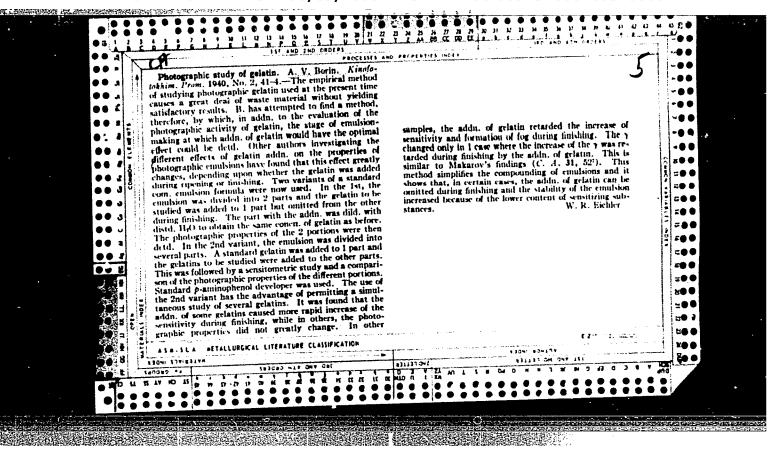






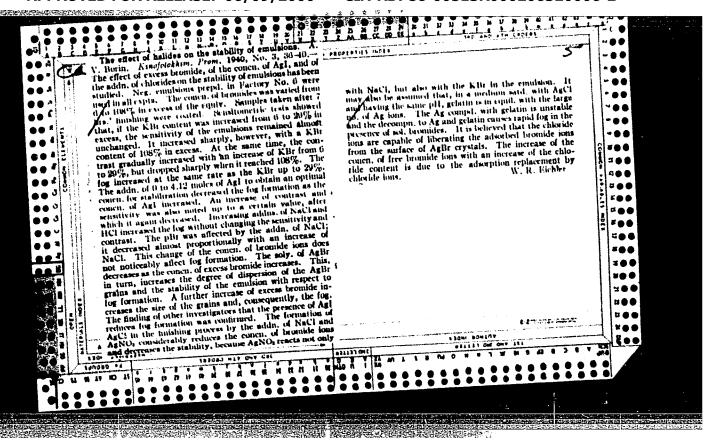


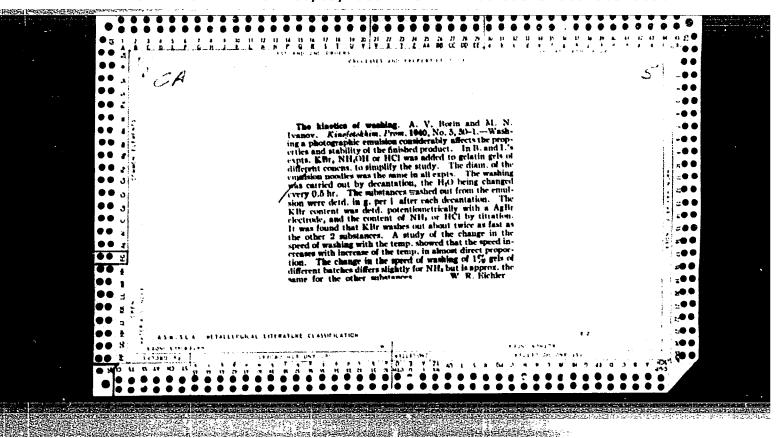


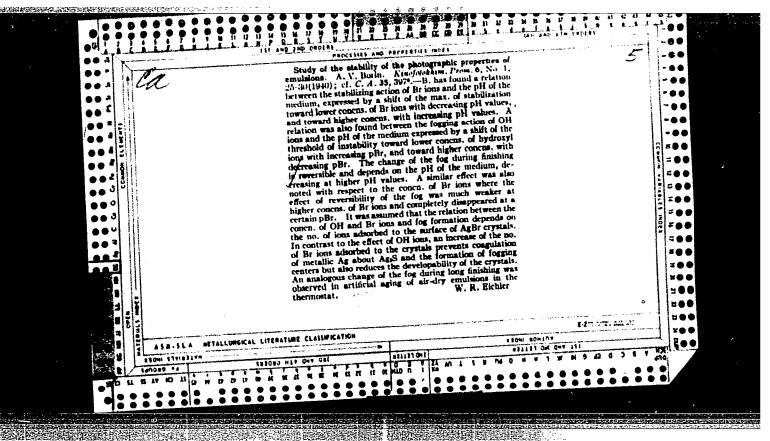


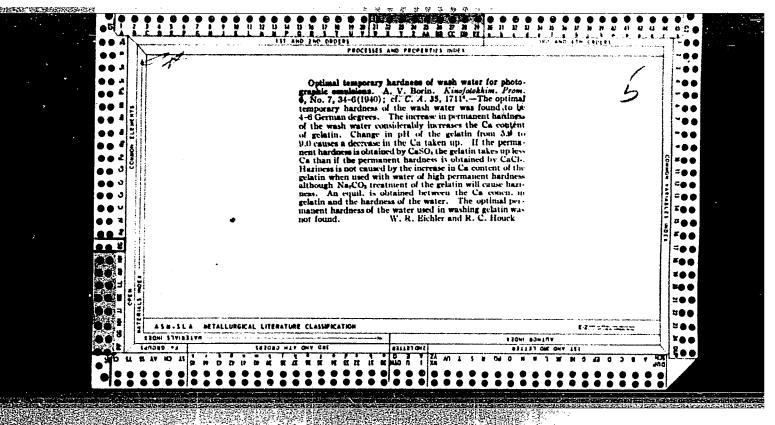
### "APPROVED FOR RELEASE: 06/09/2000

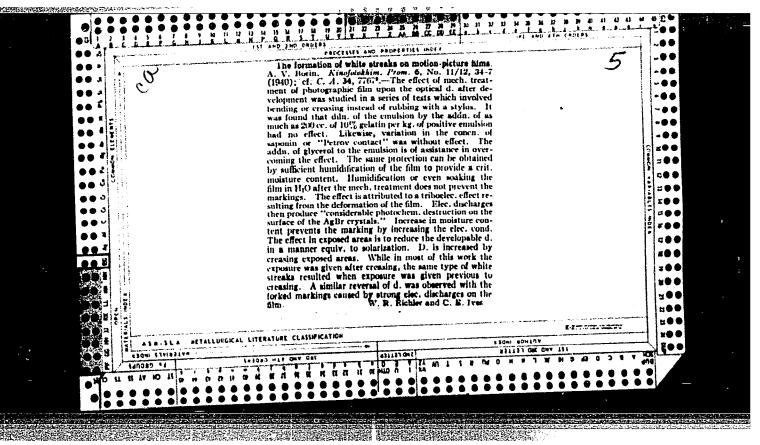
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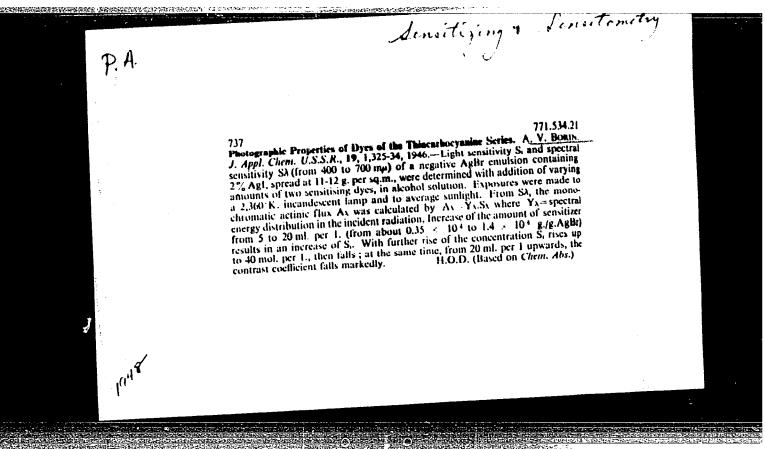




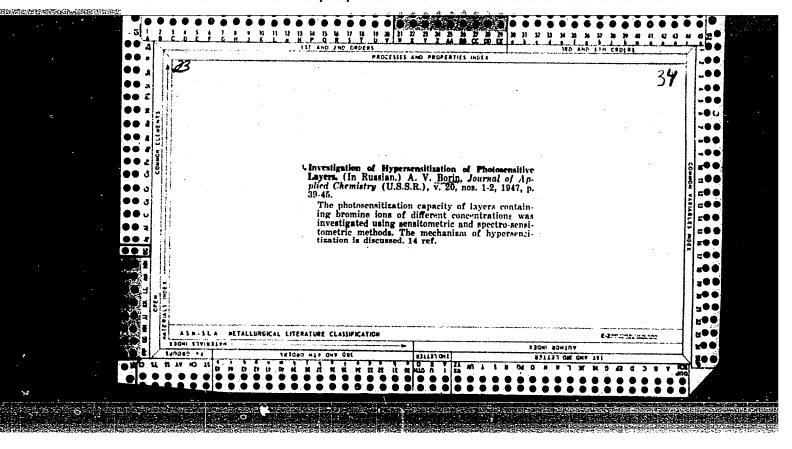






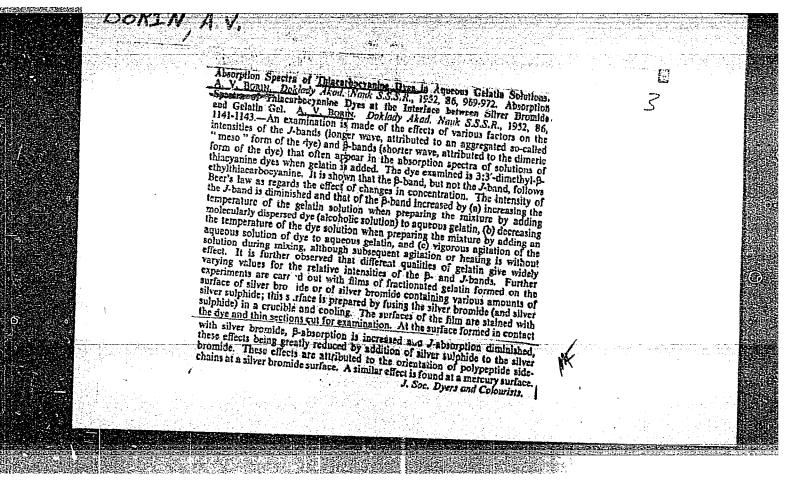


BORIN, A.V.		PA 13T31
	_	
	USSR/Chemistry - Sensitization Chemistry - Emulsions	Sep 1946
	"A Simultaneous Sensitization of Photos Emulsions with Two Pigments," A. V. Bor Trochimovich, 8 pp	ensitive in, G. P.
	"Zhur Prik Khim" Vol XIX, No 9,931-3	8
	Investigation of the simultaneous sensi of various combinations of pigments on emulsions. Two thiocarbocyanine and on cyanine basic pigments were used.	photo-sensitive
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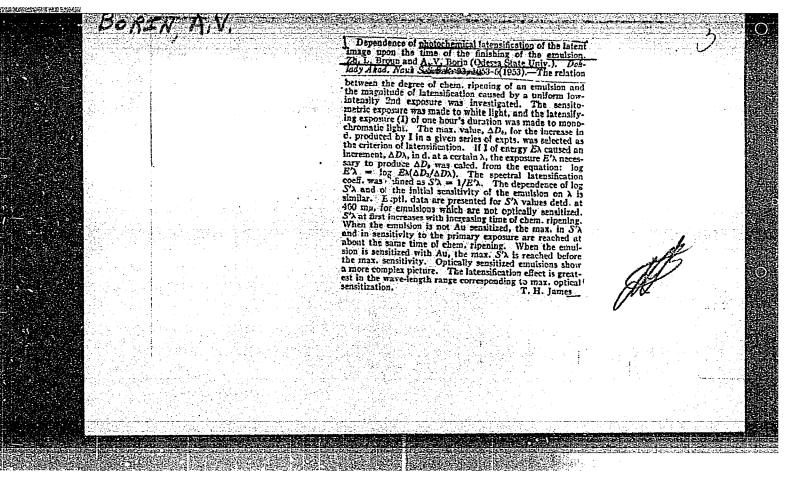


	BORIN, A. V.			577 T. C. C. S. C.			PA 20/49	9 <b>T</b> 96	
		 sensitivity and contrast coefficient and relationship to amount of dye in the emul Submitted li Feb 48.	1	Shows that in the case of sensitized photographic layer, coefficient of contrast in sensitized region be greater, equal to, or less than the contraction of ficient for the region of self-light sensitivity of the emulsion. Discusses conclusions on factors causing changes in spectral light	"Khur Tekh Fiz" Vol XVIII, No 10, 1325-31	. "Optic Sensitization and the Contrast Coeff of Light Sensitive Layers," A. V. Borin, Z. Gratsianskaya, 7 pp	USSR/Physics Photographic Emulsions - Sensitivity		
·	20/49196	and their emulsion.		tographic fixed region he contrast sensi- usions on t	31	Coefficient In, Z. I.	Oct 48		
· O · · · · · · · · · · · · · · · · · ·							<b>.</b>		

BORIN, A. V.			B 6 7 0	gil	ជាប្រធារា	_2	7. P. d. 3	ផ្ល	
				USSR/Astroncay	Film samples were excessive sensitivi- factory sensitivi- sensitivity to re- curves as compare- tabulates in rela-	"Astron Zhur" Vol XXIX, No 1, pp 5-13	"Photographic Film Color-Sensitive in V. trum," A. V. Borin, D. Ys. Martynoy T. Astron Obs imeni Engelgardt, Res Lab of plenka	USSR/Astronomy - Photography	ı
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			Presents curves of phess compared to photo A. F. Torondzhadze, Kolychev. Received			į. X	Film Color-Sensitive in V Borin, D. Ya. Martynoy T. meni Engelgardt, Res Lab of	펗	ı
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			4 ^		ted and numerated 1-5, 1 to blue-violet, 3 for sa to all colors, 5 for exces Plots results in sensitive sensitivity of human eyes to photographic emulsion 2	7	National Research		
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USSR/ Physics - Photography

FD-1046

Card 1/1

Pub. 153 - 17/23

Authors

Borin, A. V.; Makovskiy, A. F.; Odintsov, M. G.; Ivleva, S. A.;

Avvakumov, V. I.

Title

Photographic material with constant value of the coefficient of

contrast in the visible part of the spectrum.

Periodical:

Zhur. tekh. fiz., 24, 1499-1502, Aug 1954

Abstract

Notes that photographic materials with constant coefficient of contrast independent of wave length are needed in solving a number of problems of spectral analysis and ostrophysics. Investigates the possibility of obtaining such materials. Concludes that the absolute magnitude of contrast varies but the character of the dependence of the contrast coefficient, gamma, on wave length remains unchanged. Eight references, 4 USSR (e.g. A. V. Borin,

D. Ya. Martynov, T. I. Smolko, 1952; A. V. Barin, Z. I. Gratsianskaya,

1948).

Institution:

- -

Submitted

1 November 1953

BORIN, A.V.

Absorption spectra of dibensothiocarbocyanine dyes in aqueous gelatin solutions. Zhur.nauch.i prikl. fot. i kin. 1 no.2:111-117 Nr-Ap '56.
(MIRA 9:10)

. (Dyes and dyeing--Chemistry) (Photographic emulsions)

DERIN, A.V.

# APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206320006-2"

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10662

Author: Borin, A.V., Agatitskoya, V.P.

Inst : Not Given

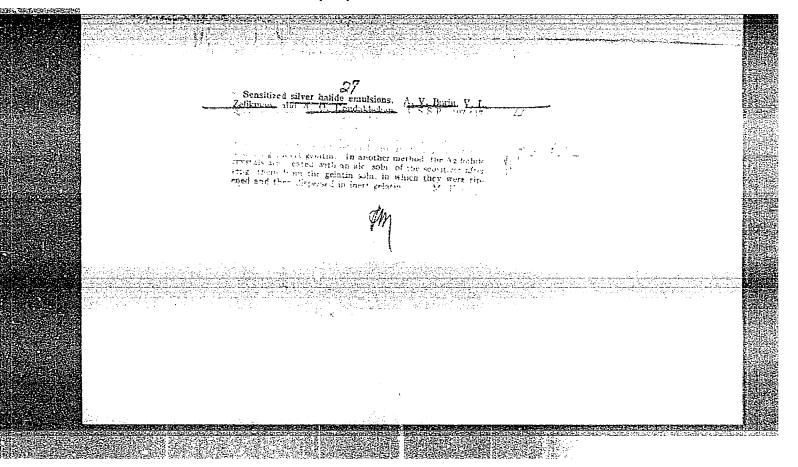
Title : Effect of Gelatin on the Optical Sensitization of Photographic

Emulsions.

Orig Pub: Zh. prikl. khimii, 1956, 29, No 9, 1393-1401

Abstract: No abstract.

Card: 1/1



BORIN, A.V.; IVLEVA, S.A.

The synthesis of photographic emulsions using a continuous method.

Zhur. nauch, i prikl. fot, i kin, 2 no.5:344-348 S-0 '57.

(MIRA 10:11)

1. Fabrika kinoplenki, Kasan'.

(Photographic emulsions)

AUTHOR: Borin, A.V., Pobedonostseva; I.A. SOV 77-3-4-4/23

TITLE: A Spectrophotometric Study of Dye Solutions Forming H-aggregates (Spektrofotometricheskoye issledovaniye rastvorov krasite-

ley, obrazuyushchikh H-agregaty)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958,

Vol 3, Nr 4, pp 257 266 (USSR)

ABSTRACT: The author carried out experiments to determine the factors

affecting the formation of H-bands in the absorption spectra of solutions of thiacarbocyanine and rhodacyanine dyes. Spirit, water and water-gelatine solutions of the dyes were obtained and subjected to spectrophotometric measurement at intervals of 10 m. The position of the absorption maxime were thus

of 10 m . The position of the absorption maxima were thus obtained and are set out in graph form. Different dye concentrations and two gelatines were tried out. It was found that the intensity of H-band increases and reaches its maximum value when the concentration of gelatine in the solution is increased.

The critical value for the gelatine concentration depends on its degree of aggregation. This might be explained by increased activity of the gelatine micelles and a resultant increase in the

Card 1/2 concentration of dye which they adsorb. When the gelatine con-

SOV 77-3-4-4/23

A Spectrophotometric Study of Dye Selutions forming H-aggregates

centration is increased above its critical value, the intensity of the H-band decreases, probably due to an increased concentration of gelatine decomposition products which act as a brake on the adsorption of dye molecules by the gelatine micelles. The displacement of hydrogen from the polymethine chain of this carbocyanine dyes, by groups which break up the plane structure of the molecules hinders the formation of dye H-aggregates. Academician A.I. Kiprianov of the Ukraine Academy of Sciences supplied some of the dyes used. There are 11 graphs, 2 tables and 14 references, 9 of which are Soviet, 3 English and 2 French.

ASSOCIATION:

Kazan', Filial vsesoyuznogo nauchno-issledovatel'skogo kinofoto-instituta (Kazan', The Branch of the All-Union Research Institute

for Photography and Cinematography)

SUBMITTED:

July 28, 1956.

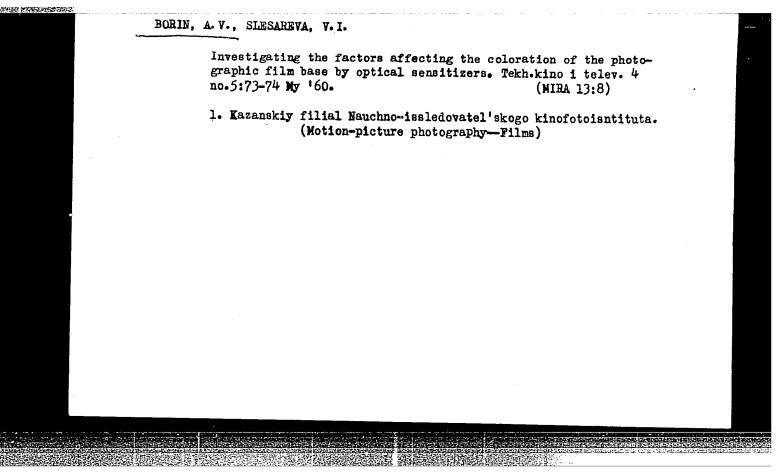
1. Thiacarbocyanine dyes--Spectrographic analysis 2. Rhodacyanine dyes--Spectrographic analysis 3. Spectrophotometers--Applications

Card 2/2

PRIOR I NOON RECOGNITION SOFTIAL LINEARING AND PRIOR STATES AND PRIOR STAT
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The second secon			B/081/62/000/004/059/087 B150/B138			
-	AUTHOR:	Borin, A. V.	ر ب د د د	10		
	TITLE:	The influence of surface-active graphic properties of photosensi				
	PERIODICAL:	Referativnyy zhurnal. Khimiya, 4L417 (Tr. Vses. ni. kinofoto-117-122)	no. 4, 1962, 456, abstract -instituta, no. 37, 1960,	. 15		
· es destinations de sen responsables es sen sen esta de se sen sen sen sen des des des sen de sen de se sen d	TEXT: The influence was investigated of octadecenylpolyglycol ester (I) on the photographic properties of ammoniacal bromosilver emulsions. If I is added to the emulsion before spraying on the support, the speed of development is increased and there is an increase in the light-sensitivity of the film and of the efficiency of the optical sensitization. Addition of I to an emulsion containing gold thiocyanate at the beginning of the chemical maturing increases the maximum sensitivity of the photographic film. [Abstracter's note: Complete translation.]					
	Card 1/1		and the second s			

Calcium fog.	Tekh.kino i telev. 4 no.5:73 My	'60. (MIRA 13:8)
l. Kazanskiy	filial Nauchno-issledovatel'skog (Photography-Negatives)	go kinofotoinstituta.



BORIN, A.V.; HARITONOVA, N.V.; LOGUE, P.I.

Studying the nature of the concentration effect in optical sensitization. Zhur.nauch.i prikl.fot. i kin. 6 no.4:29-299 J1-Ag '61. (MIRA 14:11)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofotoinstituta, Kazan'.

(Fhotographic sensitometry)

5/058/63/000/003/042/104 A062/A101 AUTHORS: Akhmedzyanov, M. A., Slesareva, V. I., Khaykin, M. S., Kukhtin, V. A., Borin, A. V. About the influence of some antioxidizers on the photographic pro-TITLE: perties and conservation of emulsion layers PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 84, abstract 3D575 ("Tr. Vses. n.-i. kinofotoin-ta", 1962, no. 46, 31 - 35) TEXT: A study was made on the influence of some derivatives of polyphenols and hydrasine on the photographic properties and conservation of sensitized emulsion layers. It was found that phenylhydrazone of glucose and phenylglucosazone contribute to improve the conservability of sensitized light-sensitive layers. There are 12 references. [Abstracter's note: Complete translation] Card 1/1

BORIN, A.V.; LOGAK, P.I.; TELYAKOVA, V.Sh.; MISHAKOVA, M.V.

Investigating the factors influencing the concentration effect in optical sensitization. Zhur.nauch.i prikl.fot.i kin. 7 no.4:245-251 Jl-Ag '62. (MIRA 15:8)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofoto-instituta, Kazan'.

(Photographic emulsions)

## "APPROVED FOR RELEASE: 06/09/2000

## CIA-RDP86-00513R000206320006-2

1,27,99

5/051/62/013/004/020/023

E039/E491

2000

Meyklyar, P.V., Shvarts, V.M., Kharitonova, Z.V., Borin, A.V., Ryskina, S.I., Siletskaya, N.V. AUTHORS:

Photographic films for spectroscopy and astronomy

TITLE: PERIODICAL: Optika i spektroskopiya, v.13, no.4, 1962, 607-609

Recent work at the Kazańskiy filial Vsesoyuznogo . nauchno-issledovatel'skogo kinofotoinstituta (Kazan' Branch of the All-Union Scientific Research Institute on Cinemaphotography) has been aimed at increasing the sonsitivities of photographic films for long exposures and of infrachromatic films. having greater sensitivity were developed for long exposures in the near ultraviolet region and for different regions of the Films for the visible region are designated by the letter A (Astronomy) and a number corresponding to the wavelength for which the sensitivity is a half of the maximum and on the long wavelength side. This film is manufactured at the Kazanskiy khimicheskiy zavod (Kazan' Chemical Works). Films for the infrared region are designated by a number corresponding to its maximum sensitivity. Spectral sensitivity Card 1/3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206320006-2"

Photographic films ...

5/051/62/013/004/020/023 E039/E491

curves of films A-500, A-600, A-650, A-660 and A-700 are given. In the table the sensitivity of these films is compared with a corresponding Kodak film. The sensitivities are compared at 400 mp for the non-sensitized film and at maximum sensitivity for the remaining film. Spectral sensitivity curves are also given for t=740 (I=740), t=810 (I=810), t=900 (I=900), t=1050-1(I-1050-1) and H-1050-11(I-1050-11) films. The sensitivity of I-1050-1 and I-1050-11 can be significantly increased by the method of hypersensitization described by S.M.Solov'yev (Fotografirovaniye v infrakrasnykh luchakh - Photography in infrared rays -Izd. "Iskusstvo", M., 1957). An infrachromatic film A-850 is also manufactured which is sensitive up to about 900 mm. The density of background fogging for all these films does not exceed 0.3. The films should be stored at 2 to 4°C since storage of films for use in the visible region causes an increase in fogging and in the case of infrachromatic films there is a decrease in sensitivity. The gamma of the described films lies in the range 2.0 to 3.0. There are 3 figures and 1 table.

May 17, 1962 SUBMITTED:

Card 2/3

Photographic films ...

S/051/62/013/004/020/023 E039/E491

No.	Compared	types	S.,	
	Kazan' film	Kodak	S <sub>Kazan</sub> ' S <sub>Kodak</sub>	
1 2 3 4	A-500 A-650 A-660 A-700	Oa O Oa C Oa E Oa F	1.8 7.0 6.0 7.0	

Abstracter's note: This is an abridged translation.

Card 3/3

BORIN, A.V.; MOSHKINA, T.M.; MISHAKOVA, M.V.; SHAYMARDANOVA, L.R.

Sensitizing effect of some polyethylene glycols. Zhur. nauch. i prikl. fot. i kin. 8 no.3:211-212 My-Je '63. (MIRA 16:6)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofoto-instituta, Kazan'.

(Glycols) (Photographic emulsions)

COROKHOVSKIY, V.M.; KUKHTIN, V.A.; LEVIN, Ya.A.; BORIN, A.V.; KISELEVA, I.P.; VARZANOSOVA, T.P.

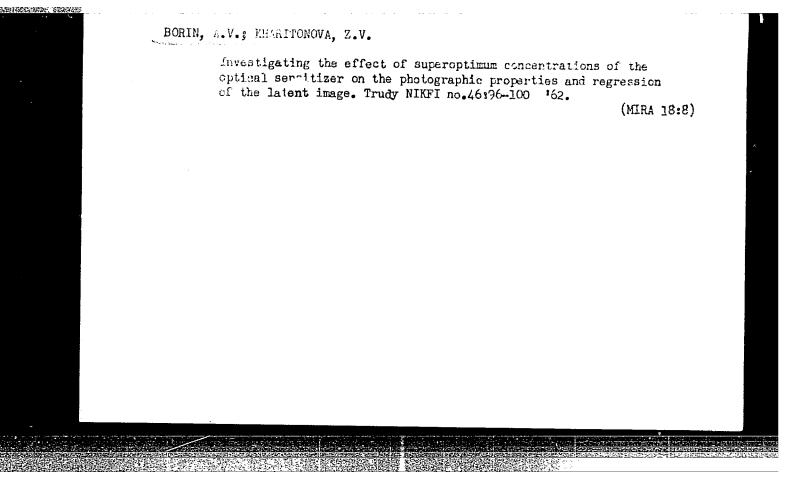
Studying the stabilizing effect of some derivatives of  $1_p 3_r 4$  - triazaindolizine. Trudy NIKFI no.46:26-30 \*62.

(MIRA 18:8)

APPROVED FOR RELEASE: 06/09/2000.1. CTAYRDP86-00513R000206,32000,6-2. ..

Effect of some antioxidants on the photographic properties and keeping quality of emulsion layers. Trudy NIKFI no.46:31-35 162.

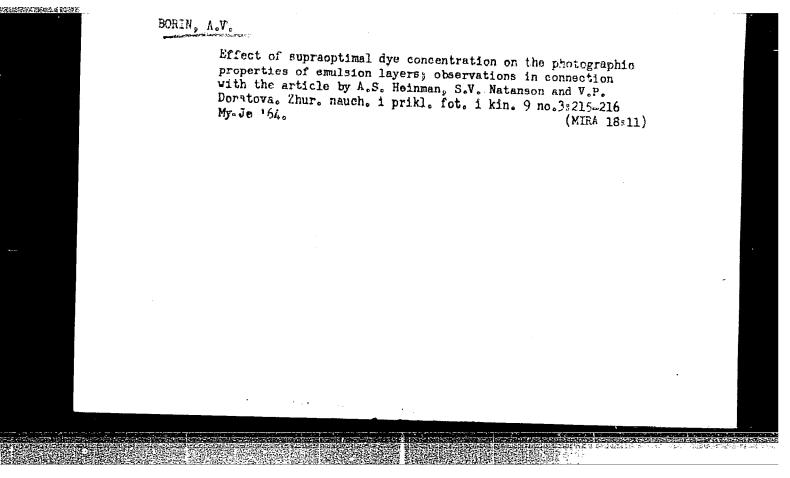
(MIRA 18:8)

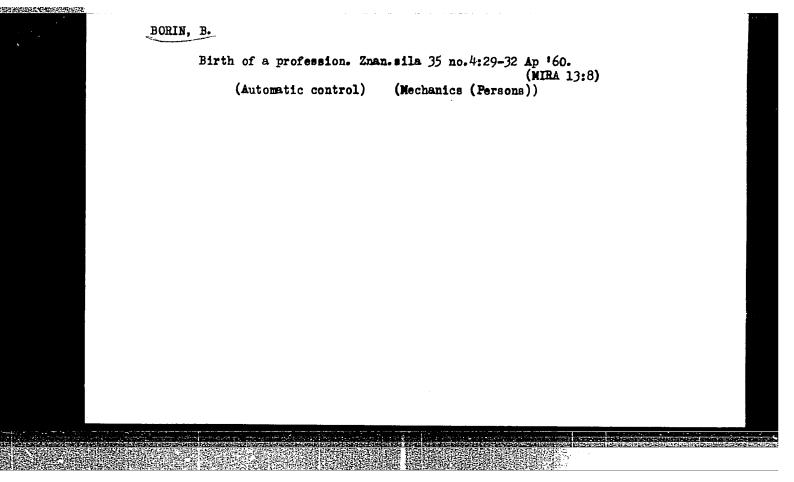


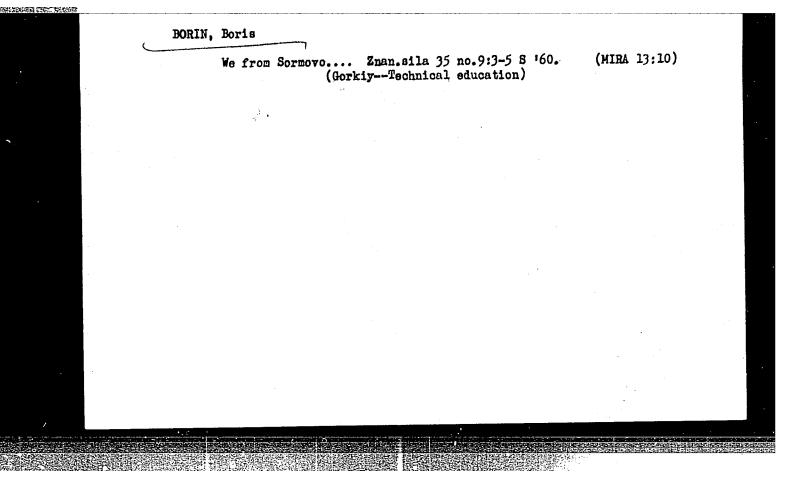
MEYKLYAR, P.V.; SHVARTS, V.M.; BORIN, A.V.; RYSKINA, S.I.; SILETSKAYA, N.V.

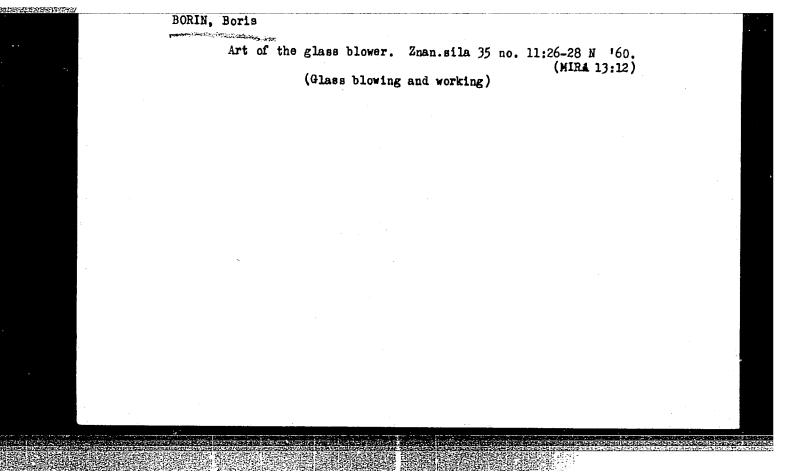
Photographic films for use in spectroscopy and astronomy developed by the Kazan Branch of the Motion Picture and Photography Scientific Research That the 'hur. prikl. spekt. 3 no.1:99-101 Jl '65. (MIRA 18:9)

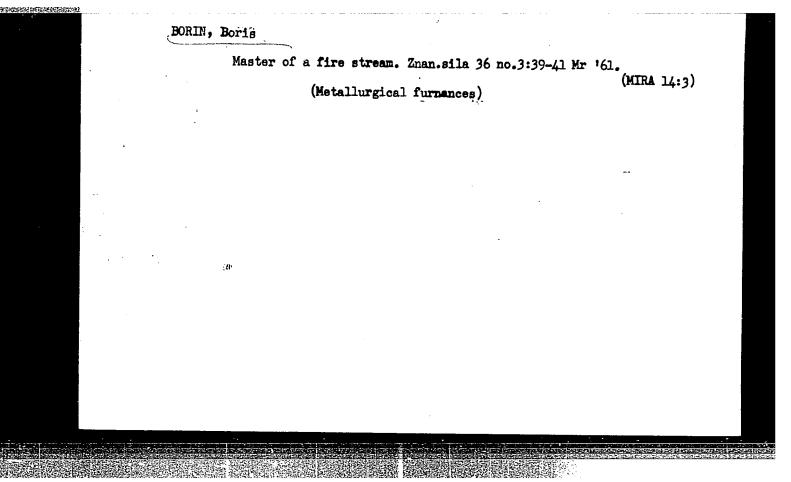
1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut, Moskva.

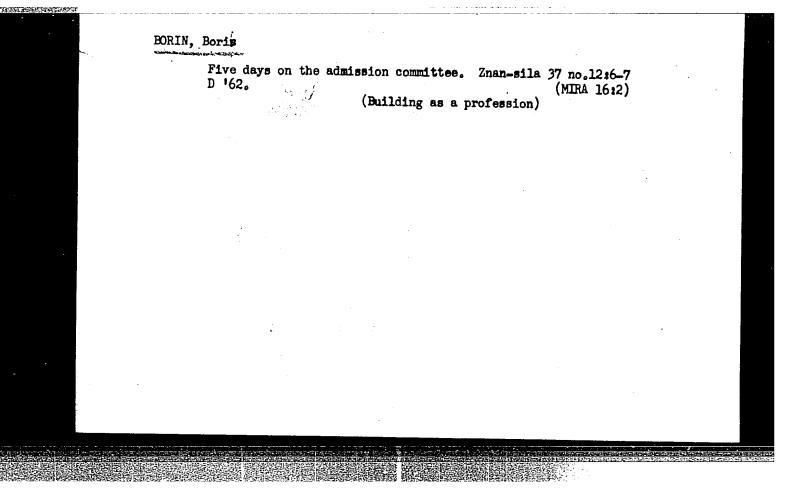


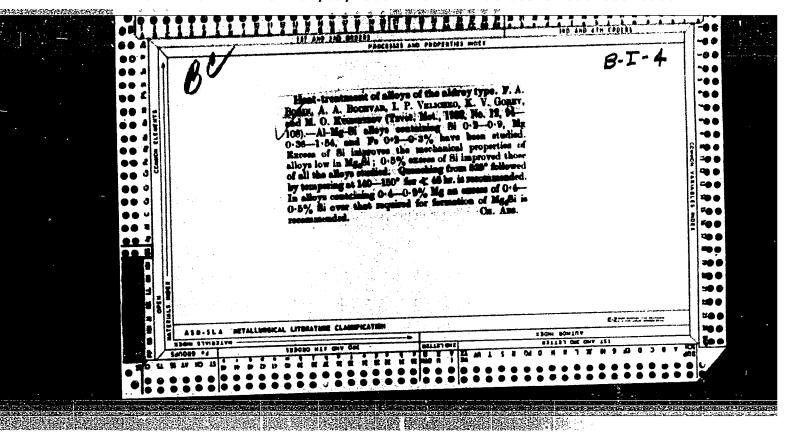


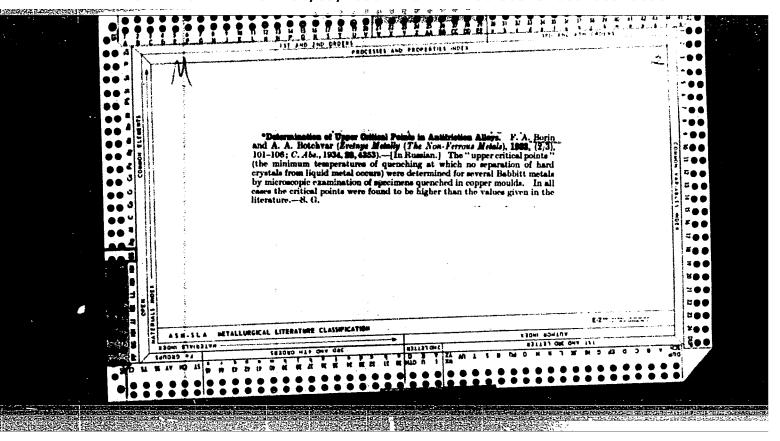


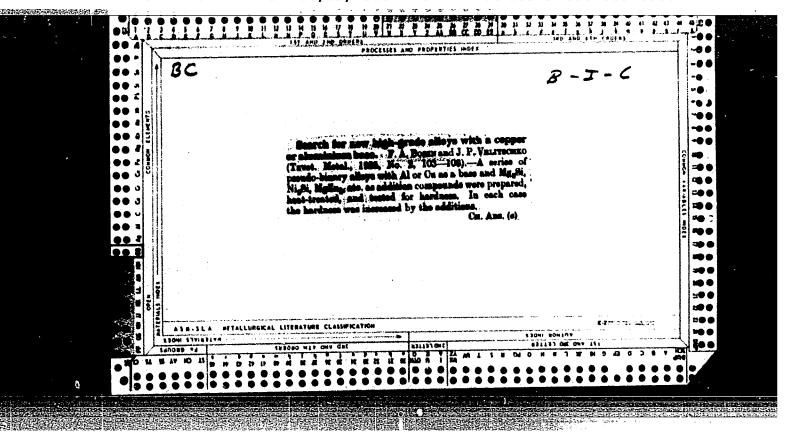


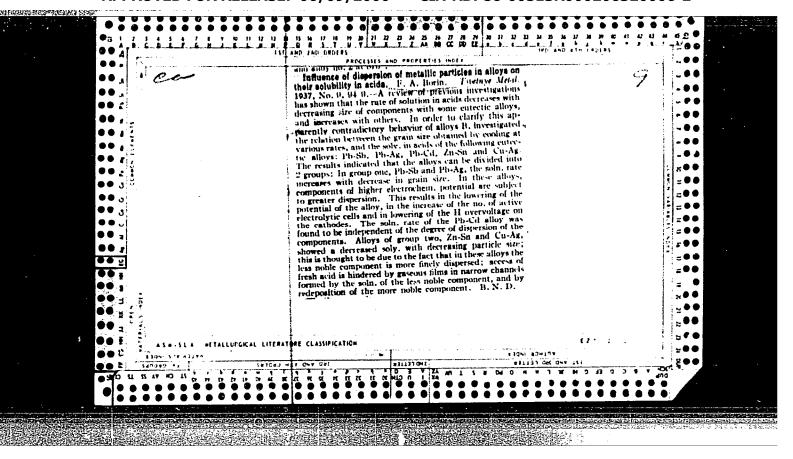


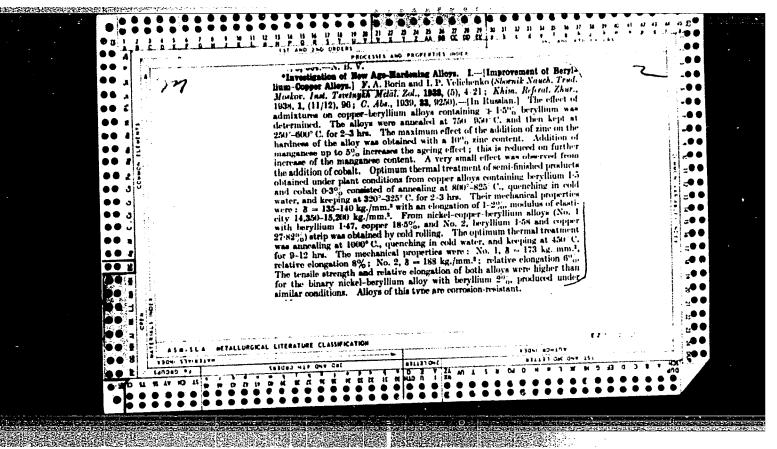


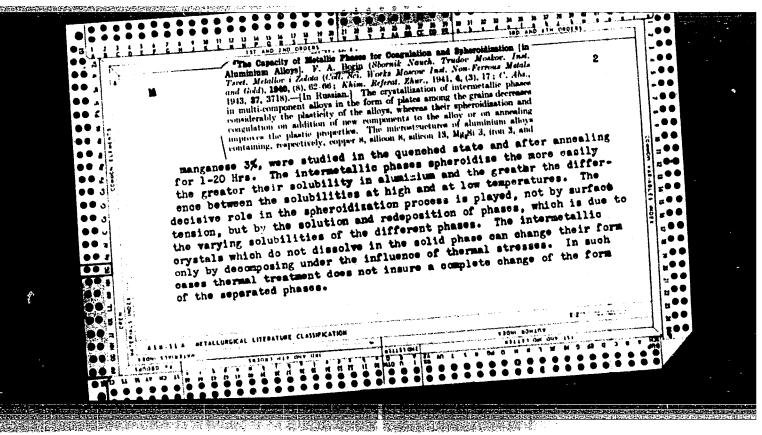












Category: USSR/Solid State Physics - Mechanical properties of crystals and poly-

crystalline compounds

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1377

Author

: Borin, F.A., Sollertinskaya, Ye.S. : Moscow Inst. for Nonferrous Metals and Gold, USSR Inst

Title : Influence of Zirconium on Certain Properties of Magnesium Alloys

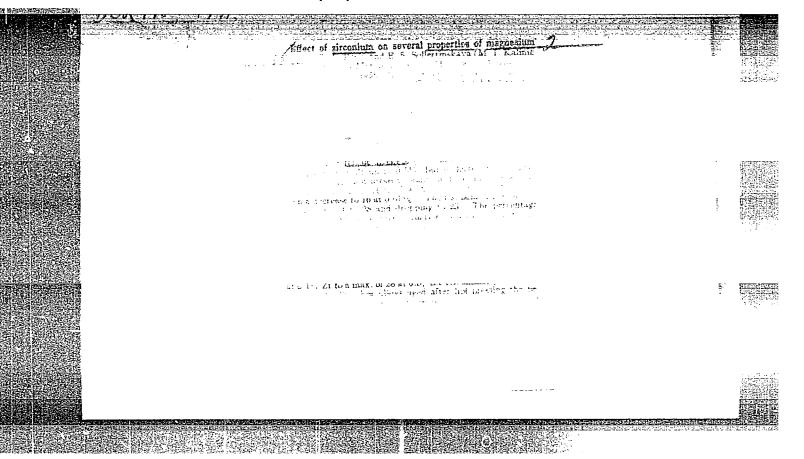
Orig Pub: Metallovedeniye i obrabotka metallov, 1956, No 2, 8-13

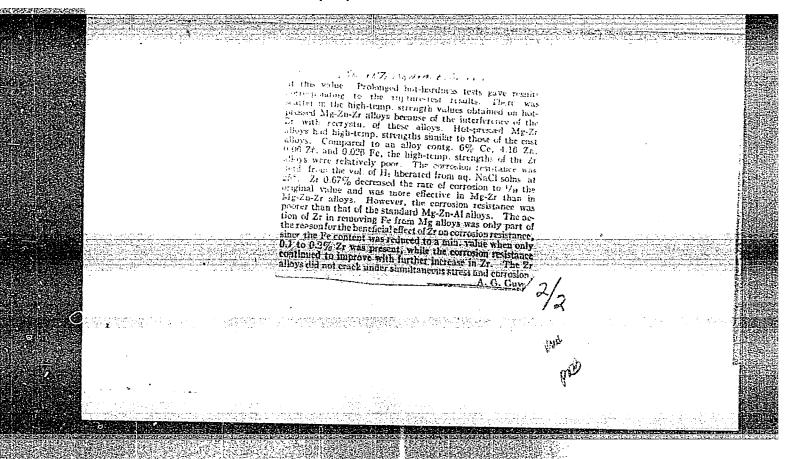
Abstract : An investigation was made of the effect of Zr on the mechanical properties

grain size, and corrosive properties of Mg-Zr and Mg + 4.1 - 4.8% Zn + Zr alloys. It is shown that Zr increases considerably the mechanical properties of the die-cast Mg-Zn-Zr alloys and the corrosion resistance of Mg-Zr alloys.

A refining action by zirconium on the magnesium alloys is noted.

Card : 1/1





AUTHORS:

Borin, F.A., Korol'kov, G.A., Chernomordin, I.F.

32-12-48/71

TITLE:

The Construction of a Heater for a High-Temperature Laboratory Piston Furnace (Konstruktsiy: nagrevateley dlya laboratornoy

vysokotemperaturnov pechi kolbochnogo tipa).

PERIODICAL:

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1510-1511 (USSR)

ABSTRACT:

In this paper an improved type of the already previously recommended laboratory piston furnace is described. The improvement consists mainly in the fact that the heater is exchangeable. This heater is made from a tungsten-, molybdenum-, niobium-, or tantalum sheet, which forms a cylinder; deep incisions are made on one edge of this cylinder in such a manner that the points formed in this way, when bent towards the inside, form the bottom of the cylinder. This bottom is hemmed in between two molybdenum disks of about 2 mm thickness (from the interior of the cylinder as well as from the outside). A square molybdenum rod (average 15 x 15 mm), which rests upon a copper plate, is used as a support. By means of two molybdenum bolts the bottom of the cylinder (including the disks), the molybdenum block, and the copper plate which is connected with the carrier of the furnace, are firmly drawn together. The electric line

Card 1/2

The Construction of a Heater for a High-Temperature Laboratory Piston Furnace

32-12-48/71

is here enclosed in a protective tube. In its upper part the heater is fastened to a rail by means of two pairs of clamps; the rail is vertical and parallel to the walls of the heater, and forms an arc at the top. By this rail the current is fed to the upper edge of the heater. Between the aforementioned pairs of clamps on this rail a molybdenum protective shell is, at the same time, fastened, which rests against the vertical parts of the arc. Another construction of the heater is suggested, which is, in principle, similar to that described above, with the only difference that in this case the cylindrical heater is replaced by a spiral made of the same material, which is fastened in a suitable manner. In this case the protective case has no incisions and is drawn over the arc in such a manner that it is fastened to the only pair of clamps which fastens the upper end of the heating spiral to the arc. There are 2 figures.

ASSOCIATION:

Moscow Institute for Nonferrous Metals and Gold imeni M.I. Kalinin (Moskovskiy institut tsvetnykh metalov i zolota im.M.I.Kalinina).

AVAILABLE:

Library of Congress

Card 2/2

1. Furnaces-Heater elements

2. Furnaces-Improvement

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	of the the current Sint	ome 2,000 cramic specimens was supply ing metal-ceramic specimens was supply ting of the sintered specimens, the power supply ting of the selectrode, the power transce with tungsten electrode, step-down transce from a 12 - 20 kva step-down at a selection of the stages. The secondary winding was 300 - 600 amp at a secondary winding was 300 - 600 amp at a secondary winding was 300 - 600 amp at a secondary winding was 300 - 600 amp at a secondary winding was sonsisted of two stages. The secondary the sec	
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66949 SOV/123-59-14-55260

Preparing Titanium - Zircon'um Alloys and Investigating Their Structure

for 4 - 5 hours. The specimens obtained possessed only an insignificant porosity and a coarsely acicular structure. A variation in the cooling rate of the specimens did not result in noticeable structural changes. In a cast state the alloys showed a finely acicular structure. The micro-structure of the hardened alloy represents a fine acicular decomposition structure where the configuration of boundaries of the decomposed phase is preserved. Six figures, six references.

B.V.N.

Card 2/2

SOV/123-59-15-59751

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, pp 121 - 122 (USSR)

AUTHORS: Borin, F.A., Ivliyeva, M.P.

1<sub>2</sub> = 2 <u>-</u> 2

TITLE: On the Recrystallization of Aluminum and Its Alloys With Zirconium and

Magnesium

PERIODICAL: Sb. nauchn. tr. Nauchn.-tekhn. o-vo tsvetn. metallurgii, Mosk. in-t

tsvetn. met. i zolota, 1958, Nr 29, pp 125 - 134

ABSTRACT: Al of 99.9% and 99.97% purity was taken for the investigations as well

as alloys of Al with 1 and 3% of Mg, and Al with 0.01, 0.1, 1 and 2% of Zr. The specimens were deformed by 4-92% and annealed at temperatures from  $100-600^{\circ}$ C. Microsections were made of the specimens on which, after etching, the average size of grain was determined. The crystal size of Al of 99.97% purity recrystallizing at a temperature of  $600^{\circ}$ C after the critical deformation amounted to  $1,600\,\mu$ , that of Al of 99.99% purity to  $2,400\,\mu$ . The critical degree of deformation for all alloys

was 4%. Admixtures of Zr and Mg also contributed the more to a reduction

Card 1/2 in the size of the recrystallized grain, the greater the quantities of

SOV/123-59-15-59751

On the Recrystallization of Aluminum and Its Alloys With Zirconium and Magnesium

admixtures. The effects of Zr are greater than those of Mg. The behavior of alloys with 1% Zr content is abnormal, as they posses a second maximum on their recrystallization curves at a deformation of 92%. Very small admixtures make the temperature of recrystallization increase considerably. The deformation of Al practically has no effect on the electric conductivity, which shows that in pure Al the phenomenon of regression takes place during the process of deformation or, at normal temperatures, after deformation. 8 figures, 3 references.

P.S.M.

Card 2/2

HE SEED FOR THE SHEET

BORIN, F. M.

# PHASE I BOOK EXPLOITATION

807/4550

- Mal'tsev, Mikhail Vasil'yevich, Professor, Doctor of Technical Sciences,
  Tamara Alaksandrovna Barsukova, and Fedor Andreyevich Borin doest, Cand. Jecthur
- Metallografiya tsvetnykh metallov i splavov; s prilozheniyem atlasa makroi mikrostruktur (Metallography of Nonferrous Metals and Alloys, Including an
  Atlas of Macrostructures and Microstructures) Moscow, Hetallurgizdat, 1960.
  372 p. 5,200 copies printed.
- General Ed.: M.V. Mal'tsev, Professor, Doctor of Technical Sciences; Reviewers: A.F. Golovin, Professor, A.F. Usov, Candidate of Technical Sciences; Ed.: Ye. S. Shpichinetskiy; Ed. of Publishing House: O.M. Kamayeva; Tech. Ed.: Ye. B. Vaynshteyn.
- FURPOSE: This book is intended for use as a textbook by students at metallurgical institutes. It can also be useful to workers in metallurgical laboratories at factories and scientific research institutes.
- COVERAGE: The authors describe the structures, properties, and uses of commercial nonferrous metals and alloys. The structures of the more typical alloys are illustrated in photographs which have been incorporated into an atlas. The atlas

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Metallography of Nonferrous Metals (Cont.)

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can serve as a mamual for analyzing the structural composition of various lightmetal alloys. The book was written by instructors at the Department of Physical Metallurgy of the Moskovskiy institut tsvetnykn metallov i zclota im. M. I. Kalinina (Moscow Institute of Nonferrous Metals and Gold imeni M.I. Kalinin). Subsection 1, Section 2, of Chapter V (Antifriction alloys) was written by F.A. Borinyy, Decent, Candidate of Technical Sciences. Subsection 1, Section 3, of Chapter I (Tin brenzes) was compiled by T.A. Parsukova, Docent, Candidate of Technical Sciences. Subsections 2-5, Section 3, of Chapter I (Aluminum bronzes, lead bronzes, silicon bronzes, manganese bronzes) were written by M.V. Mal'tsev in collaboration with T.A. Barsukova. The remaining chapters of the book were written by M.V. Mal'tsev, who also did the general editing of the book. Laboratory worker V.D. Rodionenko helped in preparing the photographic illustrations included in the Appendix. The authors thank A.A. Bochvar, Academician; I.I. Novikov, Docent, Candidate of Technical Sciences; and the reviewers, V.F. Golovin, Professor, General-Major of Corps of Engineers; A.F. Usov, Docent, Candidate of Technical Sciences; Ye. V. Panchenko, Docent, Candidate of Technical Sciences; and B.I. Krimer, Docent, Candidate of Technical Sciences, for their assistance in compiling this book. There are 80 references: 78 Soviet and 2 English.

Card 2/6

NOVIKOV, Il'ya Izrielovich; ZAKHAROV, Mikhail Vasil'yevich. Prinimal uchastiye BORIN, F.A., dots.; DOBATKIN, V.I., doktor tekhn. nauk, retsenzent; Prinimal uchastiye VISHNAYKOV, D.Ya., prof., doktor tekhn. nauk; ARKHANGEL'SKAYA, M.S., red. izd-va; KARASEV, A.I., tekhn. red.

[Heat treatment of metals and alloys] Termicheskaia obrabotka metallov i splavov. Pod obshchei red. I.I.Novikova. Moskva, Metallurgizdat, 1962. 429 p. (MIRA 15:12) (Metals—Heat treatment)

BORIN, G.I., inzh.; FAL'CHENKO, N.V., inzh.

Automatic devices for stopping presses in precise pressfitting of parts. Machinostroenie no.1:12-14. Ja-F '63.

(MIRA 16:7)

1. Luganskiy teplovozostroitel'nyy zavod.
(Power presses)
(Electric controllers)

BORIN. Ivan Andrevevich: BASMANOV, V., otv. red.; FILIPPOVA, E., red.; TELEGINA, T., takhn. red.

[How we struggle for increasing accumulations] Kak my boremsia za uvelichenie nakoplenii; iz opyta raboty zavoda "Elektrostal'" im. I.F. Tevosiana. Moskva, Gosfinizdat, 1963. 63 p. (MIRA 16:7)

VLASOV, Aleksey Fedorovich; GAMARNIK, Yevgeniy Yefimovich; BORIN,

Ivan Sergeyevich; KONONOV, D.R., red.

[Drying foundry molds and cores by means of infrared gas burners] Sushka liteinykh form i sterzhnei gazovymi gorelkami infrakrasnogo izlucheniia. Leningrad, 1964. 20 p.

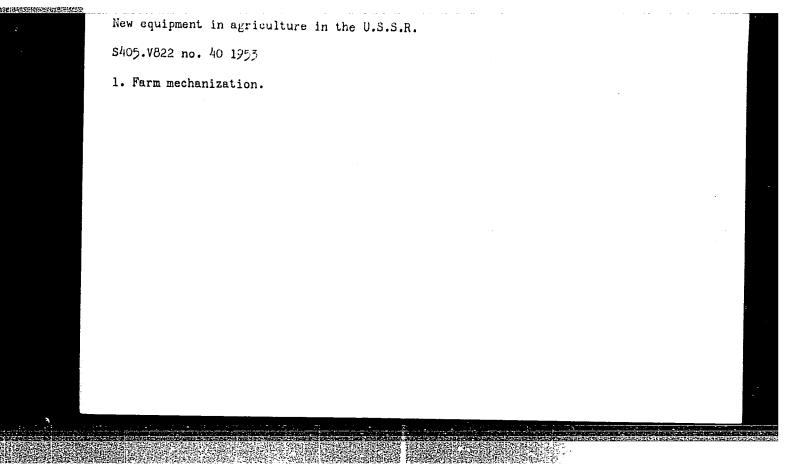
(MIRA 17:11)

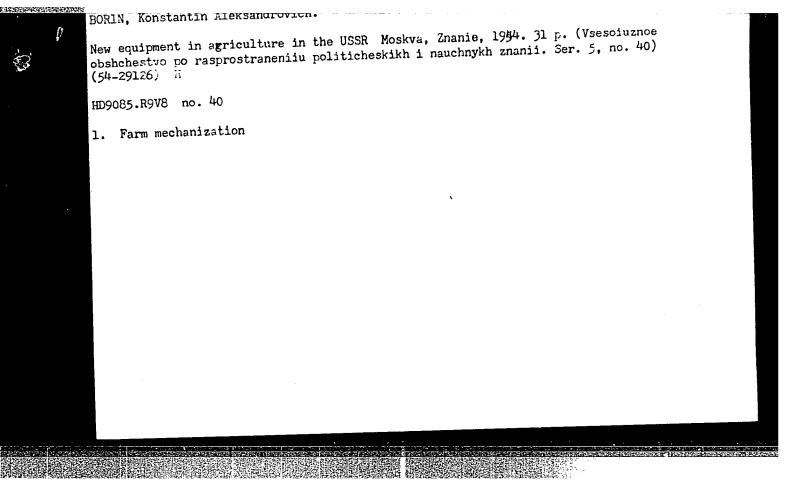
BORIN, K., kand.sel'skokhozyaystvennykh nauk, Geroy Sotsialisticheskogo
Truda

Why is it possible for a dwarf to stop a giant? Tekh.mol. 31
no.2:26 '63. (MIRA 16:6)

Socilist Farming.	Moscow, Formlism Crusades Publ., 1939.
31 P.	

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	BORIN, K.
	Machine-Tractor Stations
	Role of the trailer-operator in improving tractor work. Kolkh. proizv., 12, No. 2, 1952.
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i	9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.
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BORIN, K., geroy Sotsialisticheskogo Truda, laureat Stalinskoy premii.

Captains of "steppe ships." Tekh.mol. 22 no.10:18-23 0 '54.

(MLRA 7:11)

1. Aspirant Sel'skokhozyaystvennoy akademii im. K.A.Timiryazeva.

(Combines (Agricultural machinery))

BORIN, K. A.

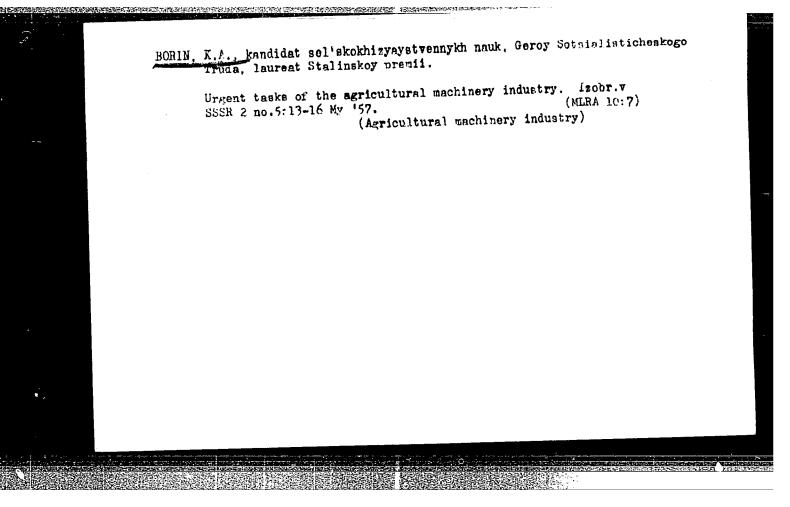
6747. Borin, K. A. Novaya Tekhnika v sel'skom khozyaystve SSSR. Alma-ata, kazgosizdat, 1954. 43 s. 20 sm. (o-vo po rasprostraneniyu polit. I Nauch. znaniy Kazakh. SSR). 10.000 ekz. 80 K. — Nakazakh. yaz. — (55-2214) 631.3 & 636.0025

SO: Knizhnaya Letopis' No. 6, 1955

BORIN, K. A.

"High-Production Work on Tractor-Pulled Combines." (Dissertation for Degree of Candidate of Agricultural Sciences) Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev, Moscow, 1955

**SO:** M-1036 28 Mar 56



30(11) AUTHOR: Borin, K., Former Combine Driver, SOV/29-59-2-34/41 Candidate of Agricultural Sciences, Hero of Socialist Work

TITLE:

Soviet Man Will Create an Agricultural Technology Allowing to Increase Productivity Ten Times (Sovetskiy chelovek sozdast agrotekhniku, kotoraya pozvolit udesyaterit' urozhaynost')

PERIODICAL:

Tekhnika molodezhi, 1959, Nr 2, p 37 (USSR)

ABSTRACT:

To the question raised by the editors of the periodical "Tekhnika - molodezhi" how he imagined future to be K. Borin answered: "First of all, I think the harvest will be independent of the moods of weather. The gathering in of the crop in any weather seems to me especially important. The grain will be gathered in not with complicated and clumsy combines but with universal grain reapers provided with devices for any harvest conditions. The grain reaped will immediately be transported to a mechanized threshing-floor. This will be an automatic unit line for grain processing. The drying unit will convey the dry ears of grain to the thresher. The threshing will be done in 2-3 phases to spare the grains. The cleaning, sorting, calibrating, and unloading of grain will be done by simple and clever electric machines. Most promising and

card 1/2

Soviet Man Will Create an Agricultural Technology Allowing to Increase Productivity Ten Times

SOV/29-59-2-34/41

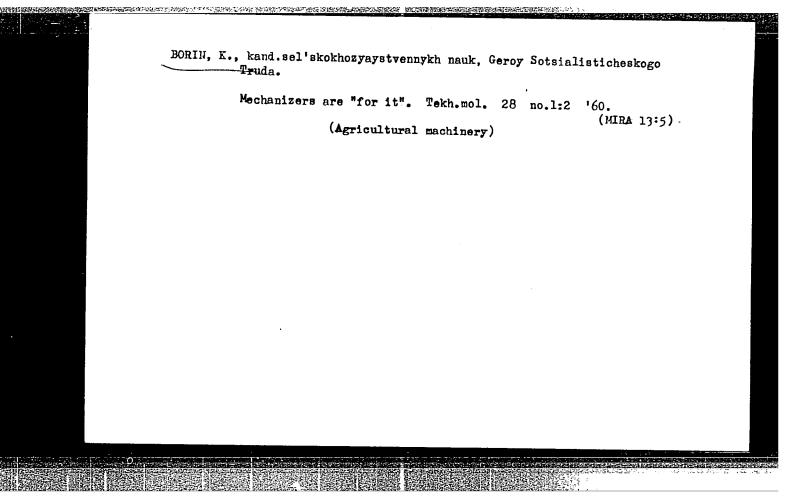
interesting, however, will be the charging of the seed and the sowing. On the threshing-floor, a special machine will press a continuous band of straw and sow the selected corn on this band, manure every single cell and roll the finished seed together. At the time of sowing, these rolls will be spread by machines over the field and covered with ground. Thus, the Soviet people will - following the laws of nature - create the best agricultural technology which will permit to increase the productivity of agriculture 10 times and to supply the country with abundance of foodstuffs." There is

Card 2/2

FORIN. K., Geroy Sotsialisticheskogo truda, kand. sel'skokhozyaystvennykh nauk

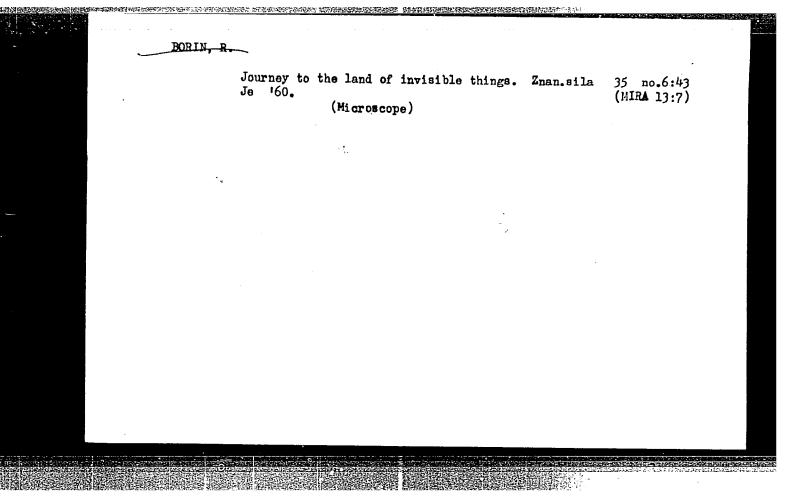
Young naturalists ought to have technical skills. IUn. nat. no.10:9
0 '59. (MIRA 13:2)

(Farm mechanization)



STEPANOV, S.I.; BORIS, L.I.

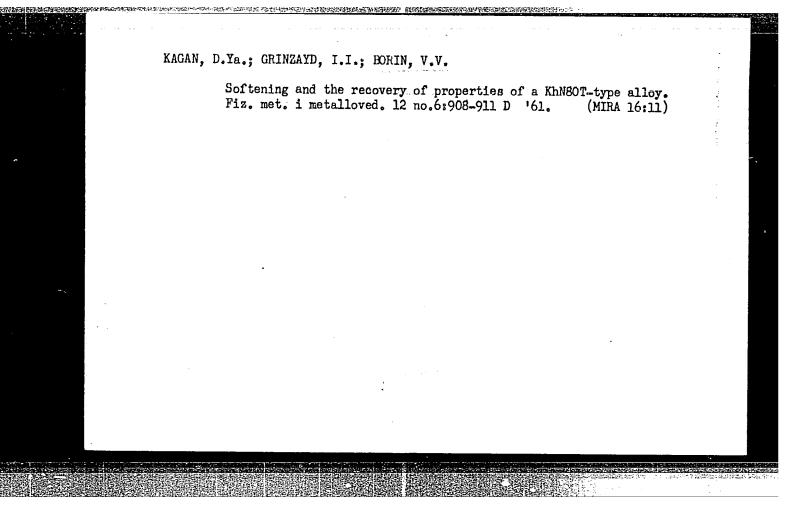
Influence of errors in initial data on the accuracy of a solution of boundary value problems of tide quations. Trudy Len. gidromet. inst. no.17:167-186 '64. (MIRA 18:6)



SYSOYEV, M.I., kand.tekhn.nauk; EORIN, V.N., inzh.

Methodology for testing the internal insulation of pressurized apparatus. Vest. elektroprom. 33 no.8:50-55 Ag \*62. (MIRA 15:7)

(Electric power distribution—Equipment and supplies)



5/126/61/012/006/016/023 E021/E535

Kagan, D.Ya., Grinzayd, I.I. and Borin, V.V. AUTHORS:

Softening and restoration of the properties of TITLE:

XHGOT (KhN80T) type alloy

Fizika metallov i metallovedeniye, v.12, no.6, 1961. PERIODICAL

908-911

The aim of the present work was to investigate the TEXT: restoration of the initial properties in softened alloys of the type KhN80T and to study the kinetics of the processes of softening and restoration. Specimens were given a standard heat treatment (quenched from 1080°C and aged at 750°C for 16 hours). They were then softened at 800, 850, 900 and 1000°C and the softened samples were restored by additional heating at 750°C. Hardness, long-term strength and short-time mechanical properties were studied. Phase analysis and microstructural examinations were carried out. The values of hardness and the quantity of the strengthening  $\alpha$ '-phase decrease with increase in time held at any one temperature. At about 900°C, the alloy is completely softened. If the softened alloy is again heated at 750°C, the Card 1/2

Softening and restoration of ... S/126/61/012/006/016/023 E021/E535

original properties are restored and the amount of  $\alpha'$ -phase is also restored to a constant value of 9 - 10% (the original quantity was 11.5%). Since phase analysis showed a continuous decrease in quantity of  $\alpha'$ -phase with increase in temperature, it follows that softening occurs because of dissolution of the finely dispersed  $\alpha'$ -phase. The original properties of the alloy are restored by precipitation of this phase. There are 3 figures and 2 tables.

SUBMITTED: January 9, 1961 (initially)
July 14, 1961 (after revision)

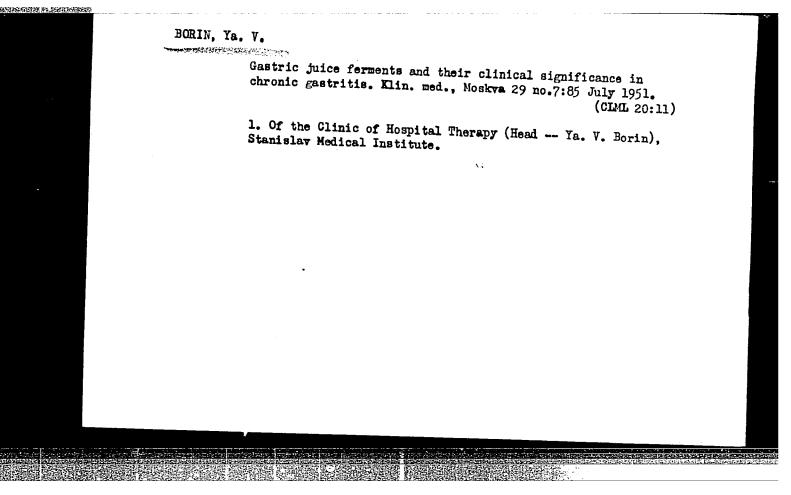
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BORIN, Ya.V., prof.; OL'GINA, F.P., dotsent; GRUSHKO, N.Ya.; LYASHKEVICH, A.S.; KUCHERAK, I.S.

Hemodynamic shifts in workers of the Kalush potassium combine. Vrach. delo no.11:104-107 Nº63 (MIRA 16:12)

1. Kafedra Gospital noy terapii (zav. - prof. Ya.V.Borin) Ivano-Frankovskogo meditsinskogo instituta.



BORIN, Ya.V., professor; MASIK, M.G., dotsent

Some problems in the clinical aspects and pathogenesis of subscute asptic endocarditis. Yrach, delo no.7:673 Jl 157. (MIRA 10:8)

1. Klinika gospital'noy terapii (zav. - prof. Ya.V.Borin)

Stanislavskogo meditsinskogo institute

(NNDCGARDITIS)

